

**REMARKS**

Claims 42-47 are presently pending and stand rejected. Claims 1-41 are cancelled without prejudice.

Claims 42 and 45 were rejected under 35 U.S.C. § 102(b) as being anticipated by Lam. Claim 42 recites, among other limitations, "counting a number of pixels or lines". Claim 45 recites "a counter for counting a number of pixels or lines". Examiner has indicated that "the claimed counting a number of pixels or lines is met by counter 110 (Fig. 1, and 5, and col. 2, line 51 to col. 3, line 37). Lam, Col. 3, Lines 8-9 teaches that "The counter 110 counts each pulse received from the validator 105." It is respectfully submitted that the foregoing does not teach "counting a number of pixels or lines." Accordingly, Assignee respectfully traverses the rejection to claims 42 and 45.

Even if "the claimed counting a number of pixels or lines is met by the counter 110", claim 42 also recites, among other limitations, "determining that the polarity of the sync pulse is the same as a previously determined polarity, if the sync pulse is detected before the counted number of pixels or lines is equivalent to a certain value". Claim 45 recites, among other limitations, "a processor for determining that the polarity of the sync pulse is the same as a previously determined polarity, if the sync pulse is detected before the counted number of pixels or lines is equivalent to a certain value and determining that the polarity of the sync pulse is the opposite of the previously determined polarity, if the counted number of pixels or lines is equivalent to a certain value."

Examiner has indicated that "the claimed determining that the polarity of the sync pulse is the same as a previously determined polarity, if the sync pulse is detected before the counted number of pixels or lines is equivalent to a certain value is met by the polarity detector 115 which determining the polarity of the input pulse is substantially similar 515 to the polarity of a previous pulse (Fig. 5, col. 4,

lines 15-56), and 3) the claimed determining that the polarity of the sync pulse is the opposite of the previously determined polarity, if the counted number of pixels or lines is equivalent to a certain value is met by... the polarity detector 115 which determining the polarity of the input pulse is substantially similar 515 to the polarity of a previous pulse (Fig. 5, col. 4, line 15 to col. 5, line 49).

Assignee respectfully submits that while Lam teaches that "The polarity detector 115 receives an input sequence of pulses, determines whether the polarity of sequential pulses of the input sequence or pulses are substantially similar", Lam, col. 2, lines 64-66; see also, col. 4, Lines 27-28, Lam does not teach "determining that the polarity of the sync pulse is the same as a previously determined polarity, if the sync pulse is detected before the counted number of pixels or lines is equivalent to a certain value" or "determining that the polarity of the sync pulse is the opposite of the previously determined polarity, if the counted number of pixels or lines is equivalent to a certain value". In fact, ".. upon determining the polarity of the input pulse is substantially similar the polarity detector 115 causes the counter 110 to increment one count." Accordingly, Assignee traverses the rejection to claims 42 and 45.

Therefore, for at least the following reasons, Assignee respectfully submits that independent claims 42 and 45, and dependent claims 43, 44, 46, and 47 are allowable.

### **Conclusion**

In view of the foregoing, it is respectfully submitted that the pending claims define allowable subject matter. Reconsideration and allowance is respectfully requested.

Application Serial No. 10/034,413  
Reply to Office Action of September 27, 2006

The Commissioner is authorized to charge any necessary fees or credit any overpayment to the Deposit Account of McAndrews, Held & Malloy, Account No. 13-0017.

Dated: February 27, 2007

Respectfully submitted,



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